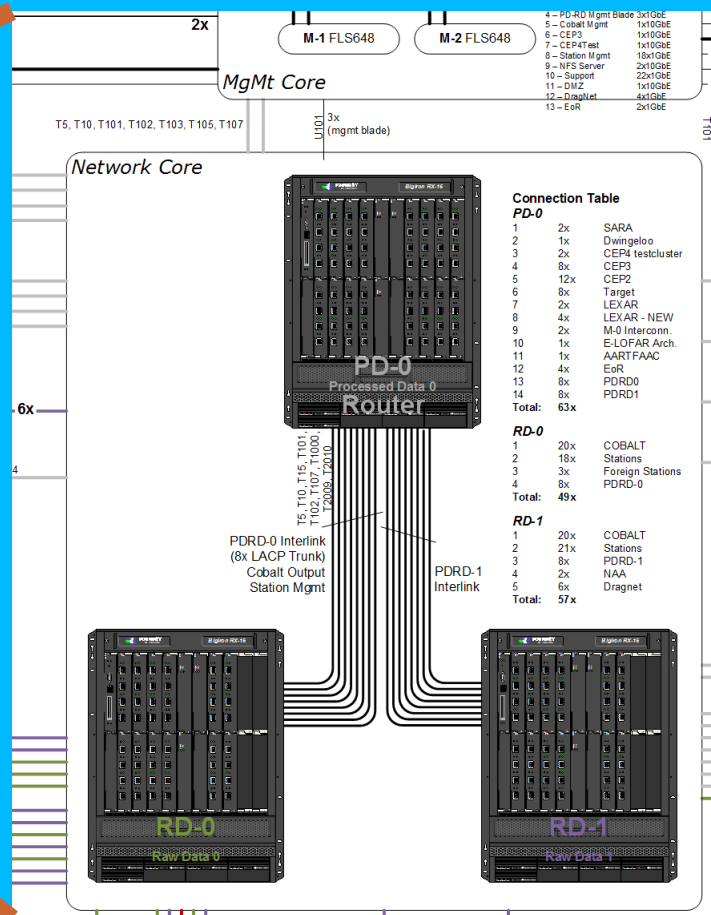
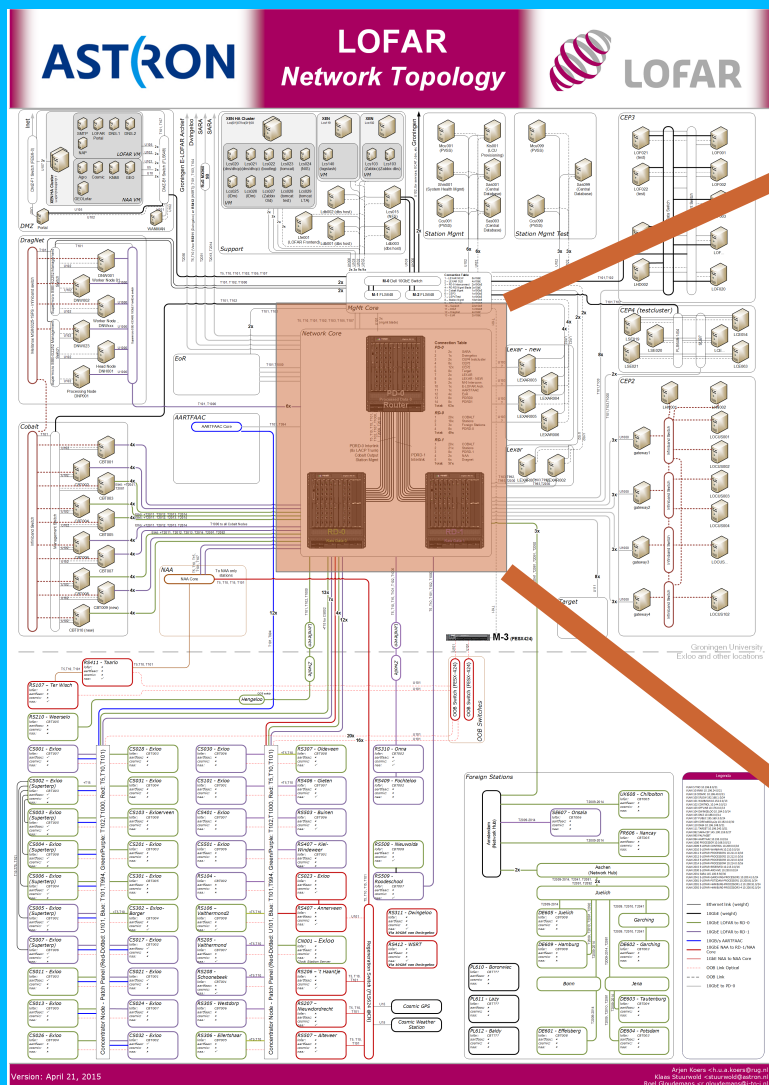


LOFAR Network Reconfiguration

LSM 2014-04-29
Jan David Mol

- LOFAR Network needs redesign:
 - Simpler design for current needs
 - Prepare for expansion (stations, clusters)
 - Deal with hardware out of warranty
- Implement new design *18 - 29 May*:
 - Joint effort with CIT Groningen
 - Revise LOFAR Core Network @ CEP
 - Clean up cabling in Concentrator Node (CN) @ Exloo
 - Replace optics @ 17 stations

New Core Network Design



Planning



	@CEP	@CN	@Stations	@ASTRON
Mon 18	Dismantle	Rewiring		Monitoring reconfig
Tue 19	Place switches	Rewiring		
Wed 20	Install cables	Rewiring	Replace optics	Network tests
Thu 21	Install cables		Replace optics	Network tests
Fri 22	Install cables		Replace optics	Network tests
Mon 25	<i>Holiday</i>	<i>Holiday</i>	<i>Holiday</i>	<i>Holiday</i>
Tue 26			Replace optics	System tests
Wed 27			Replace optics	System tests
Thu 28			Replace optics	System tests
Fri 29				

System Availability



	Intl stations	Dutch stations, unmodified	Dutch stations, new optics	Clusters @ CEP	AARTFAAC
Mon 18	Local mode	U	U	U	U
Tue 19	Local mode	U	U	U	U
Wed 20	Local mode	U	U	U / R	U
Thu 21	Local mode	R	U / R	U / R	Available
Fri 22	Local mode	R	U / R	U / R	Available
Mon 25	Local mode	<i>Holiday</i>	<i>Holiday</i>	<i>Holiday</i>	<i>Holiday</i>
Tue 26	R	R	U / R	R	Available
Wed 27	R	R	U / R	R	Available
Thu 28	R	R	U / R	R	Available
Fri 29	R	R	R	R	Available
Sat 30	Available	Available	Available	Available	Available

U = Unreachable, R = Reserved for testing

- Release procedure:
 - Per cluster
 - Software Support → Science Support
 - Science Support → users
- No guarantees before Friday May 29th.
- Contingency:
 - Move work on some stations to June. Priorities:

Priority	Stations
1	CS003, CS007
2	RS106, RS406, RS407
3	RS306, RS307, RS503
4	CS011, CS026, CS028, CS030, CS031, CS032, CS101, CS103, CS401